

100221-HE422001

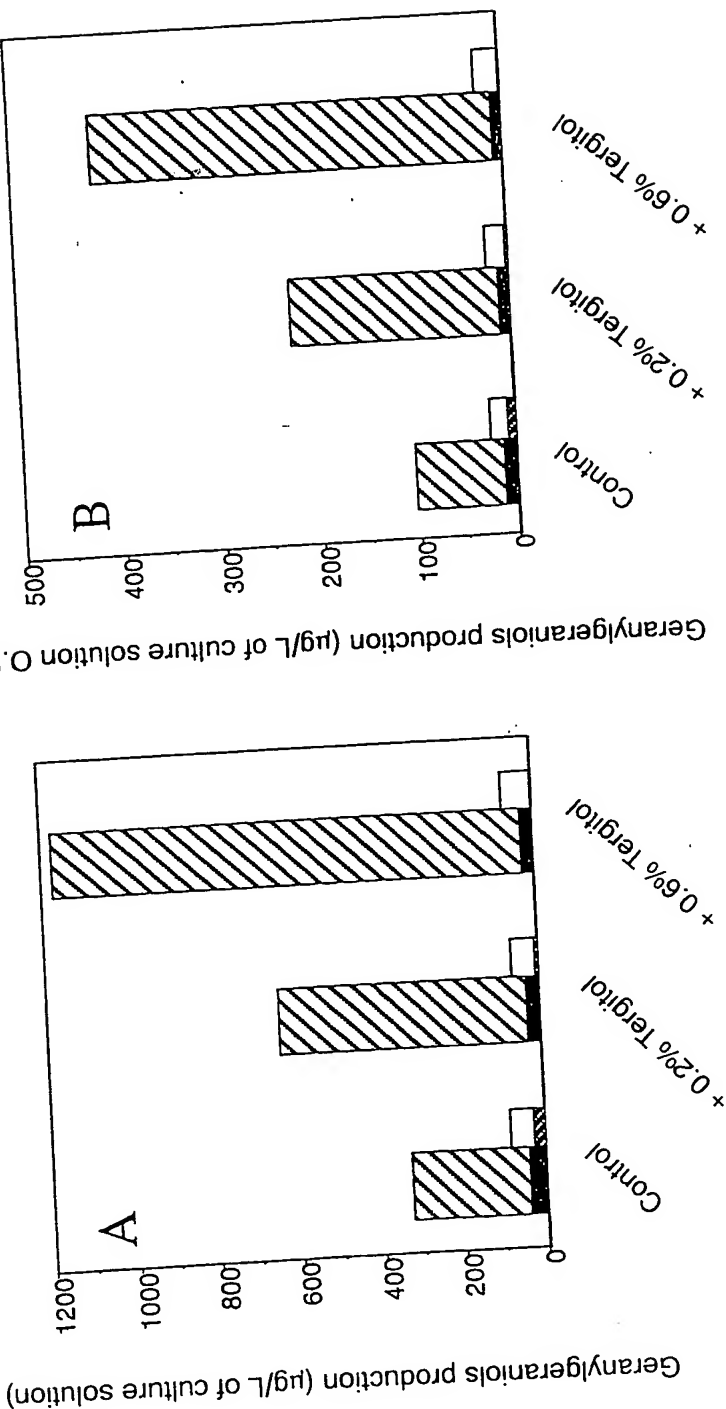


Fig 1

Effects of Tergitol on Geranylgeraniols production

A: culture solution B: culture solution O.D. 660nm

Control: YM + 20 mg/L ergosterol + 0.05% Tergitol

[Hatched] Extracellular FOH    [White] Extracellular GGOH  
 [Solid Black] Intracellular FOH    [Hatched with diagonal lines] Intracellular GGOH

Fig 2

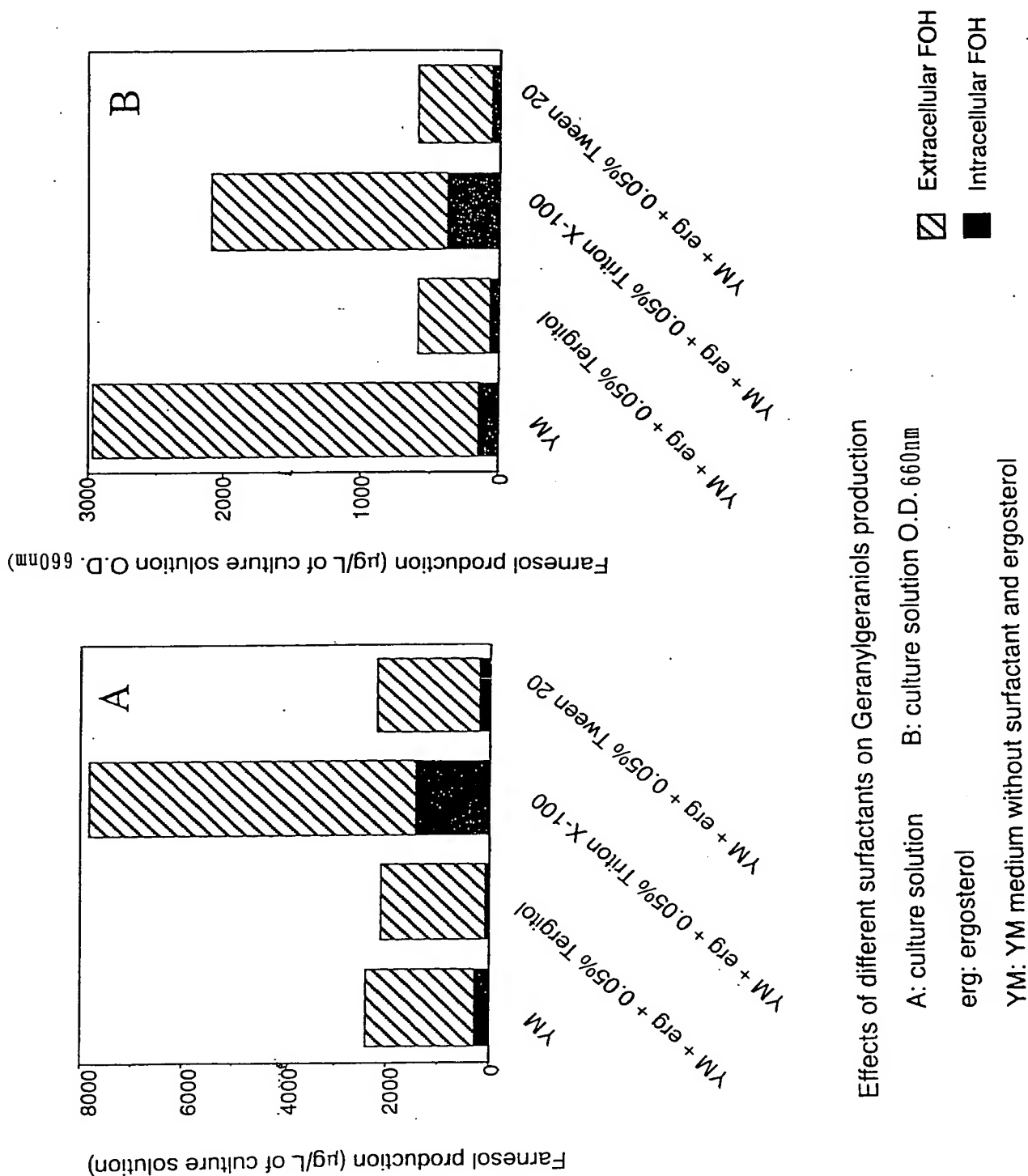
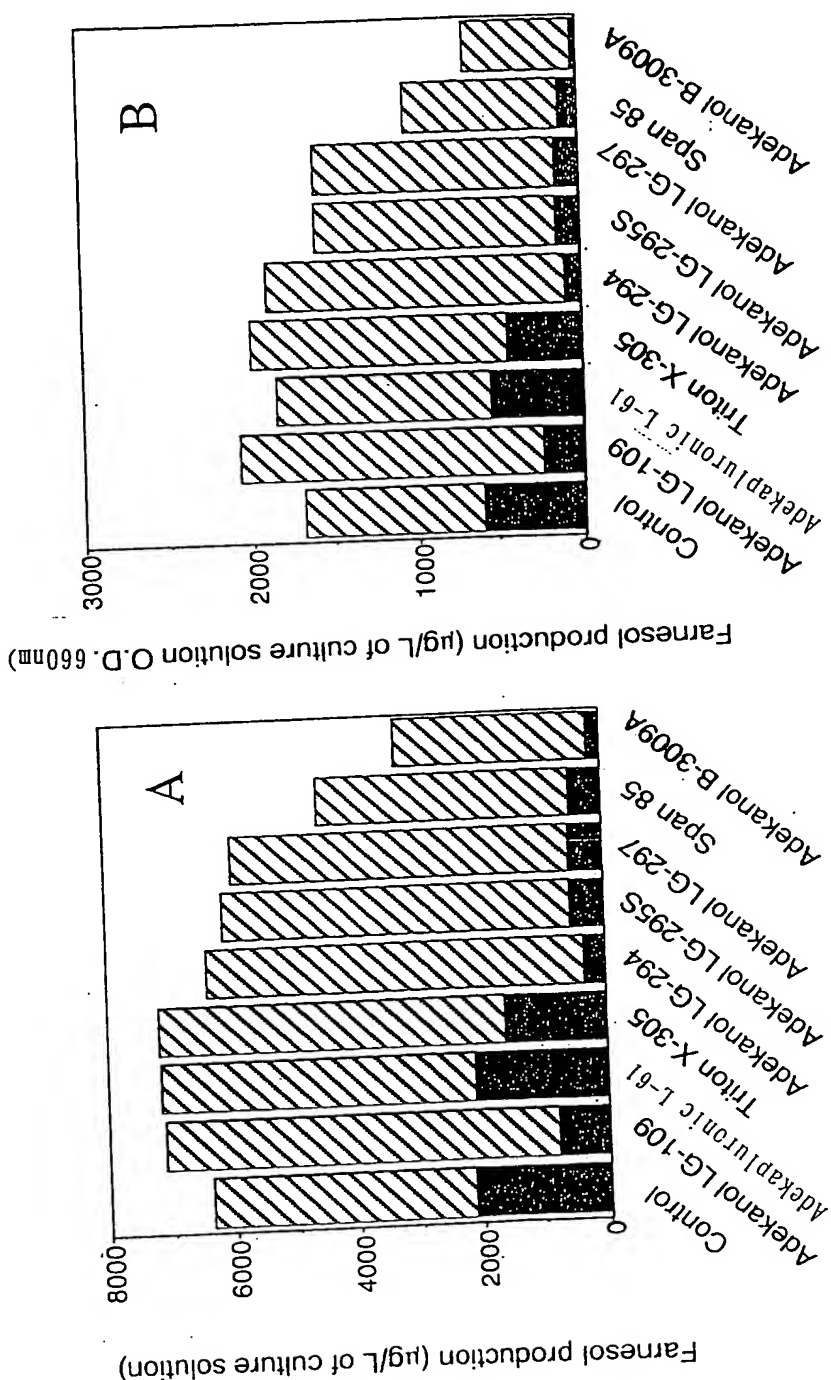


Fig 3

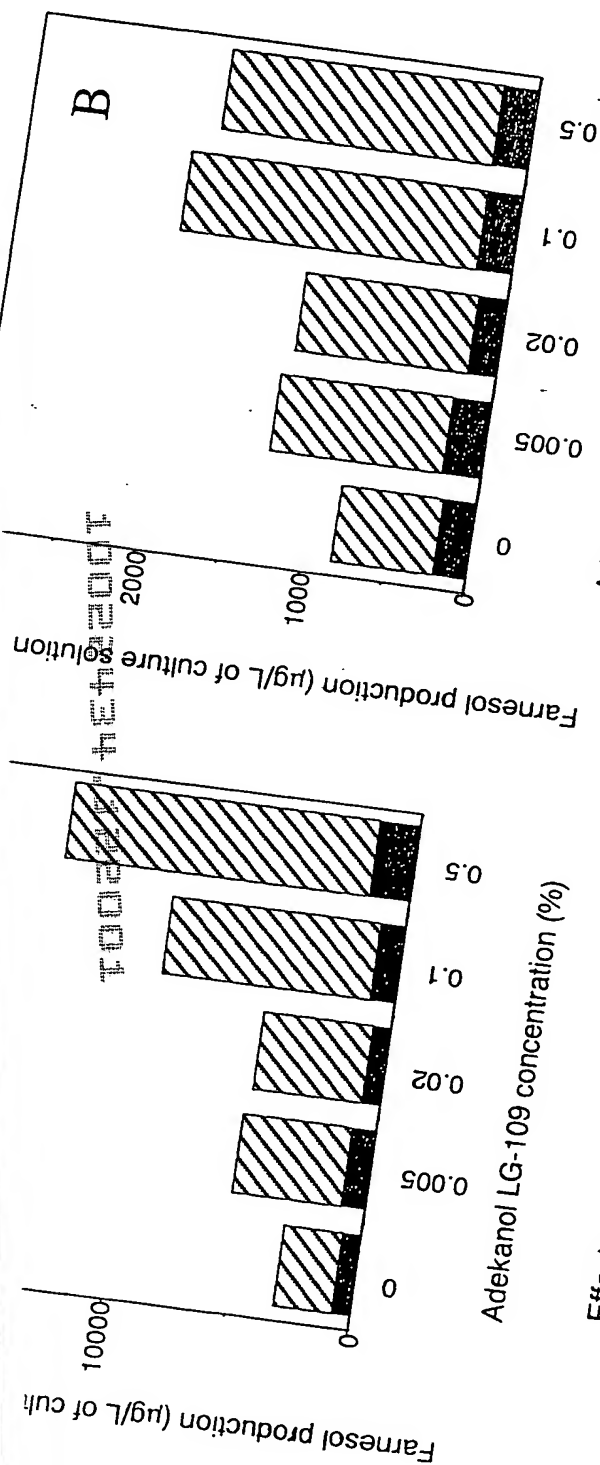


Effects of different surfactants (0.1%) on Geranylgeraniols production

A: culture solution B: culture solution O.D. 660nm

Control: YM + 20 mg/L ergosterol + 0.05% Tergitol

▨ Extracellular FOH  
■ Intracellular FOH



Effects of Adekanol concentrations on Geranylgeraniols production

A: culture solution

B: culture solution O.D. 660nm

Adekanol is added to YM medium supplemented with 20 mg/L ergosterol and 0.05% Tergitol

Extracellular FOH  
Intracellular FOH

A: culture solution

None: YM + 20 mg/L ergosterol + 0.05% Tergitol

Extracellular FOH  
Intracellular FOH

Fig 6

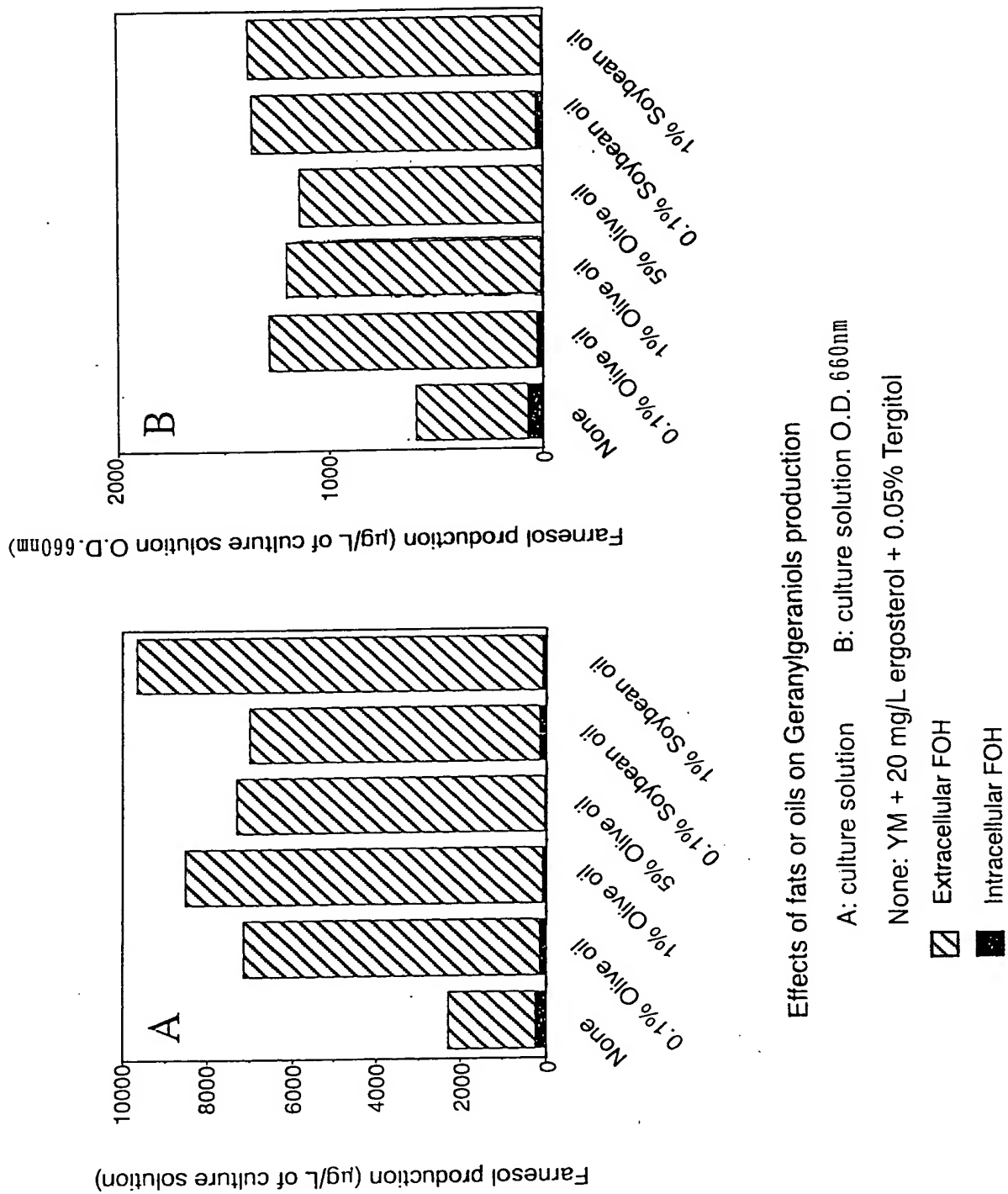
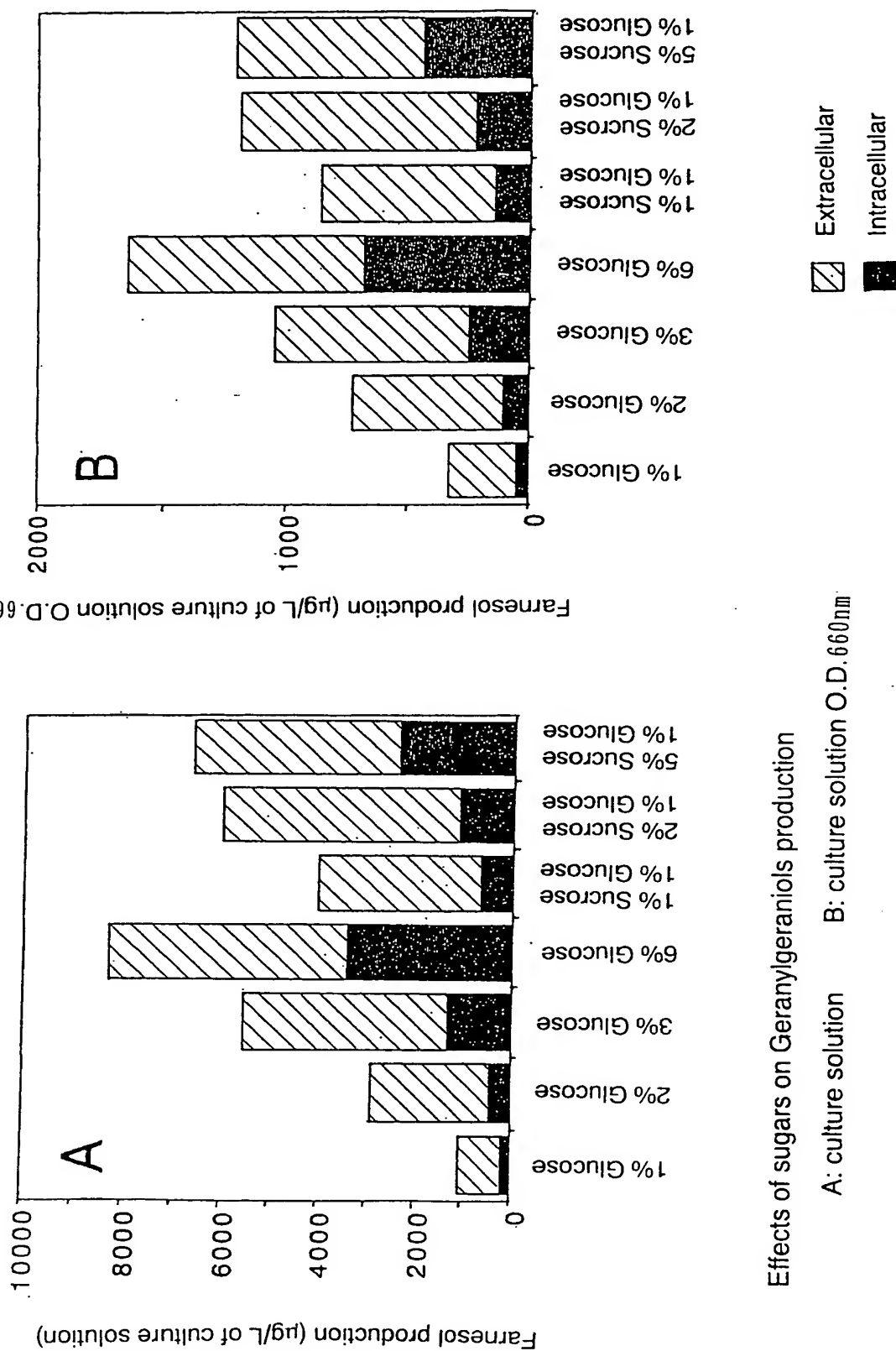


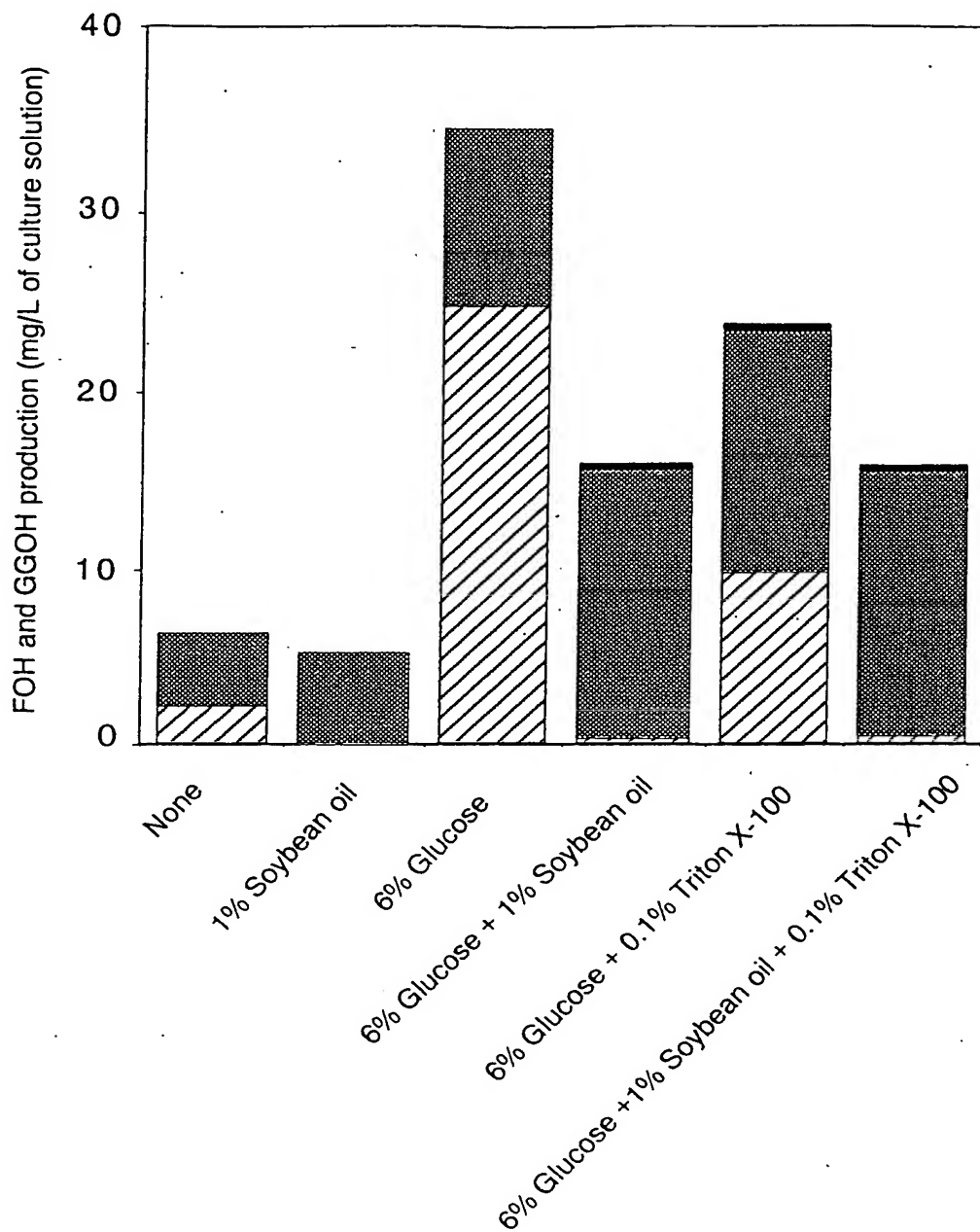
Fig 7



Effects of sugars on Geranylgeraniols production

A: culture solution      B: culture solution O.D. 660nm

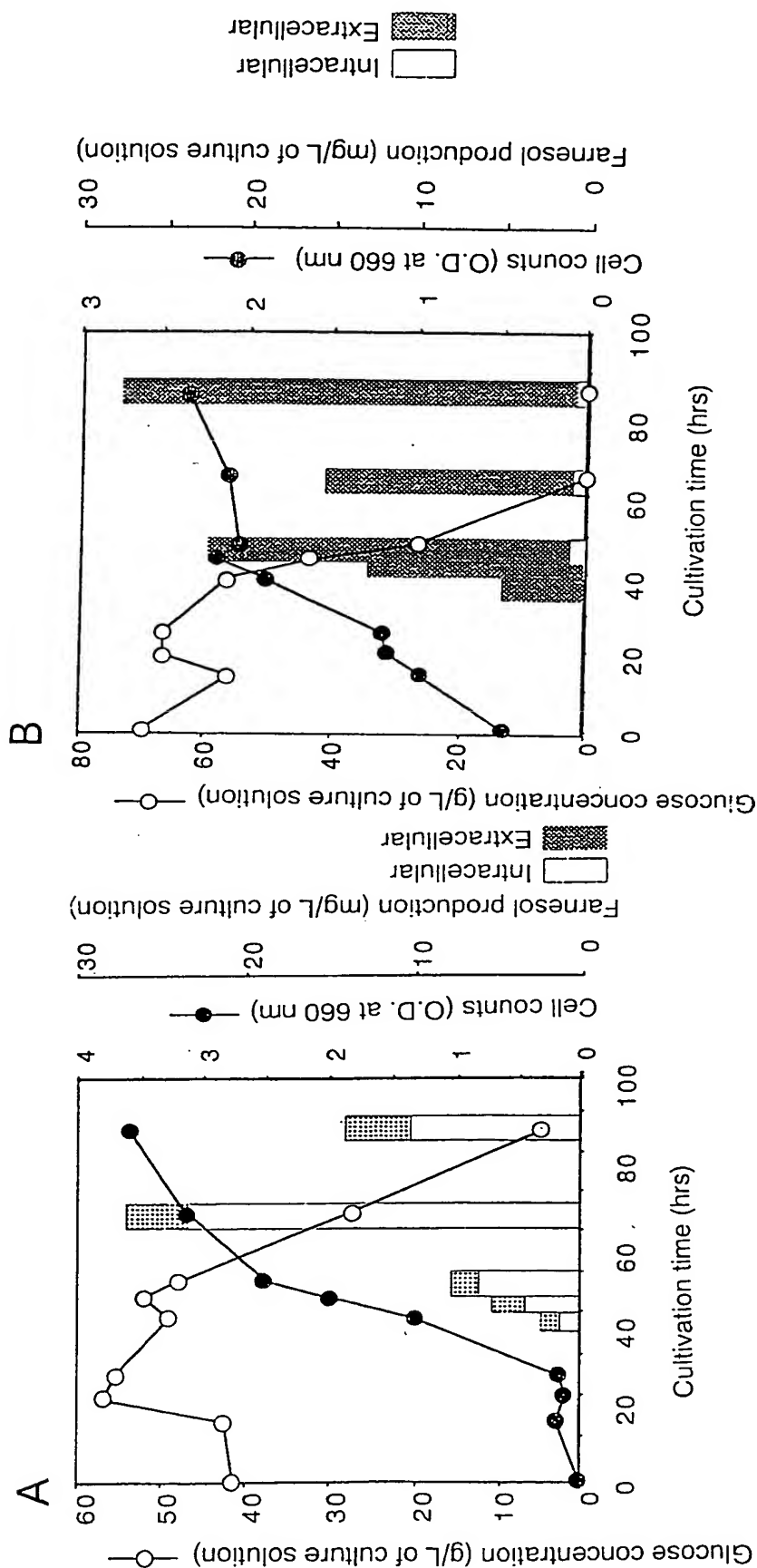
Fig 8



Effects of sugars, fats or oils and surfactants on Geranylgeraniols production

Extracellular FOH
  Intracellular FOH  
 Extracellular GGOH

Fig 9



Effects of soybean oil on farnesol production

A: YM medium supplemented with 5% glucose

B: YM medium supplemented with 5% glucose and 1% soybean oil

ATCC 64031 cells are cultured at a working volume of 5 L



Fig 10

Effects of soybean oil on geranylgeraniol production  
(pRS435GGF/pRS434GAP-HMG1/YPH499#1)

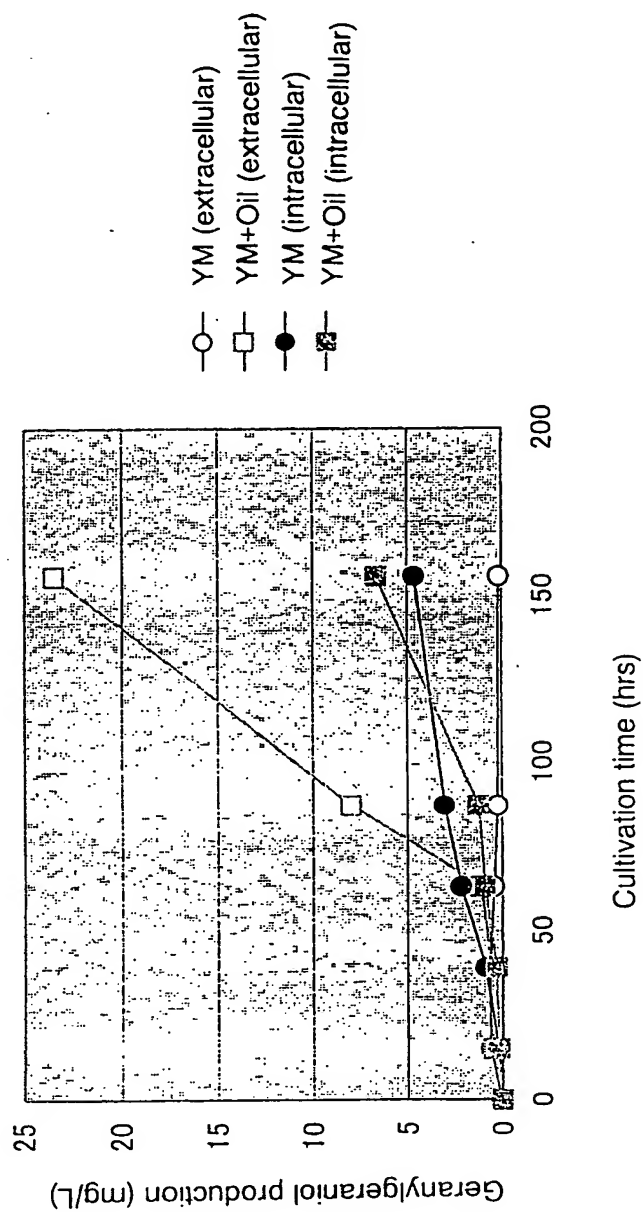


Fig 11

